

#15/D
6-15-01
JL

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Alberto I. Roca

Serial No.: 09/358,103

Filed: July 21, 1999

For: Mutants of MAW Motifs of RecA
Protein Homologs, Methods of
Making Them, and Their Uses§
§
§
§
§
§
§
§
§
§
§

Group Art Unit: 1652

Examiner: Christian L. Fronda

Atty. Docket: ROCA-01

SUPPLEMENTARY AMENDMENT

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

Dear Sir:

Amendments to the Claims

Applicant respectfully requests that the Examiner amend claims 1, 15, and 27, as follows:

- 1 1. (Twice amended) [In an *E. coli* RecA protein or a] A mutant RecA protein [having] homolog
2 comprising a MAW motif homologous to the *E. coli* MAW motif[, a manufactured RecA
3 homolog protein mutant] and having enhanced DNA binding activity compared to said
4 protein's wildtype, wherein a naturally occurring amino acid residue located within [the] said
5 protein's homolog of *E. coli* residues 40 to 65, inclusive, shown in SEQ ID NO: 3, is replaced
6 with [a replacement] an amino acid residue which is volumetrically larger than the replaced
7 amino acid residue.